INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04M1/03 H04M H04M1/20 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 HO4M HO4R Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category * Cilation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Α US 6 324 284 B1 (DOLEZAL WALTER ET AL) 1-7 27 November 2001 (2001-11-27) column 1, line 18 - line 42 column 1, line 59 - column 2, line 3 column 2, line 11 - line 24 column 2, line 33 - line 46 column 4, line 18 - line 52; figure 3 Α PATENT ABSTRACTS OF JAPAN 1 - 7vol. 1999, no. 08, 30 June 1999 (1999-06-30) -& JP 11 088483 A (MATSUSHITA ELECTRIC IND CO LTD), 30 March 1999 (1999-03-30) abstract; figure 2 X Further documents are listed in the continuation of box C. X Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date 'A' document defining the general state of the art which is not considered to be of particular relevance or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'E' earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to 'L' document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such docu-*O* document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed in the art. *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 21 February 2005 25/02/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016 Sorrentino, A

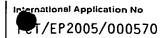
INTERNATIONAL SEARCH REPORT

International Application No EP2005/000570

0.40	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Te1/E1 2003/ 0003/ 0		
Category °		Relevant to claim No.		
Category	Challon of document, with indication, where appropriate, or the circum passages			
A	EP 1 091 539 A (NOKIA MOBILE PHONES LTD) 11 April 2001 (2001-04-11) column 2, line 27 - column 4, line 24; figures 2,3	1,5		
A	column 2, line 27 - column 4, line 24;	1,5		

NIEDINALIVINAL VERLIVITIET UNI

Information on patent family members



Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6324284	B1	27-11-2001	US	6144738 A	07-11-2000
JP 11088483	Α	30-03-1999	JP CN US	3439086 B2 1215277 A ,C 6731959 B1	25-08-2003 28-04-1999 04-05-2004
EP 1091539	Α	11-04-2001	GB EP JP	2355128 A 1091539 A2 2001157288 A	11-04-2001 11-04-2001 08-06-2001
US 2003068987	A1	10-04-2003	FR CN EP JP	2829651 A1 1420636 A 1294051 A1 2003204594 A	14-03-2003 28-05-2003 19-03-2003 18-07-2003